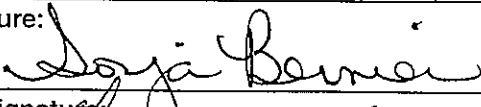
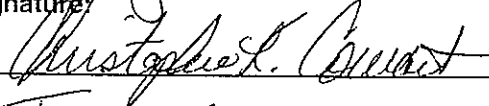



# S&MA Mission Services Task Directive

Control No. 0110	ORG No.: QS30-S	PROJECT SYMBOL GP-B	Contract No. NAS8-00179
Originator's Signature: Sonja Bernier 		Date: 3/14/02	Originator's Priority: High
Office Manager's Signature: Chris Cowart 		Date: 3/14/2002	
COTR's Approval: 		Date: 3-15-02	

**Subject:** Additional Safety & Mission Assurance support for the Gravity Probe B (GP-B) Project to include on-site QA support at Stanford University and reliability support for redesign gas module

## Task Description:

### Quality (PWS Section 6.0) on-site at Stanford

- 1) Support Product Development Team
- 2) Participate in Milestone Reviews
- 3) Evaluate inspection criteria
- 4) Support failure and problem analyses, MRB, and the non-conforming materials process for hardware
- 5) Support internal and external audits
- 6) Evaluate test plans and procedures and witness testing of hardware and software
- 7) Evaluate project and project related plans and procedures

### R&M (PWS Section 5.0)

- 1) Review subcontractor FMEA/CIL
- 2) Develop fault tree to support investigations or design

### Project Assurance (PWS Section 8.0)

- 1) Participate in the milestone reviews for redesigned hardware
- 2) Coordinate with the on-site quality support at Stanford as required
- 3) Coordinate the development of Fault Tree Analysis (FTA) performed by discipline

# S&MA Mission Services Task Directive

Control No. 0110

PROJECT SYMBOL: GP-B

Contract No. NAS8-00179

## Deliverables:

### Quality

- 1) Review comments for Milestone Review documentation, project plans, procedures, drawings, process plans, etc.
- 2) Inspection review comments

### R&M

- 1) Reliability review comments to Milestone Review documentation
- 2) Review comments on contractor FMEA/CIL or Reliability Assessment
- 3) Fault tree analysis

### Project Assurance

- 1) Visits to design contractor as appropriate
- 2) FTA coordination as required

## Schedules/Duration:

- 1) Additional support to begin April 1, 2002 and extend through May 31, 2003.
- 2) *Launch FY03*

## Resource Estimate:

(b)(4)

Report Progress To: *S&MA Project Lead*

Frequency of Report:

Weekly